
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=9; day=19; hr=17; min=47; sec=56; ms=286;]

Validated By CRFValidator v 1.0.3

Application No: 10593868 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-26 16:01:36.204

Finished: 2008-08-26 16:01:37.953

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 749 ms

Total Warnings: 26

Total Errors: 0

No. of SeqIDs Defined: 26

Actual SeqID Count: 26

Error code		Error Description									
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(1)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(2)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(20)

Input Set:

Output Set:

Started: 2008-08-26 16:01:36.204

Finished: 2008-08-26 16:01:37.953

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 749 ms

Total Warnings: 26

Total Errors: 0

No. of SeqIDs Defined: 26

Actual SeqID Count: 26

Error code Error Description

This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

```
<110> Nuevolution A/S
<120> Ligational encoding using building block oligonucleotides
<130> P914PC00
<140> 10593868
<141> 2008-08-26
<160> 26
<170> PatentIn version 3.3
<210> 1
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 1
                                                                    12
gcggnnnncg cg
<210> 2
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 2
                                                                   12
gcggattacg cg
<210> 3
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 3
gcggaattcg cg
                                                                    12
```

```
<210> 4
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 4
taatnnnntt aa
                                                                    12
<210> 5
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 5
                                                                    12
taatgccgtt aa
<210> 6
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 6
                                                                    12
taatgggctt aa
<210> 7
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (10)..(13)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
```

T, or U

```
<400> 7
tttttggaan nnnagagttt tt
                                                                    22
<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 8
tttttggaac cttagagttt tt
                                                                    22
<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 9
tttttggaac ttcagagttt tt
                                                                    22
<210> 10
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 10
ggttnnnngt tg
                                                                    12
<210> 11
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
```

```
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
       T, or U
<400> 11
                                                                     12
accannnncc aa
<210> 12
<211> 12
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 12
                                                                     12
tctcnnnncc tt
<210> 13
<211> 25
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (5)..(8)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
       T, or U
<220>
<221> misc_feature
<222> (22)..(25)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 13
cgcgnnnncc gcaaaaactc tnnnn
                                                                     25
<210> 14
```

<211> 25

```
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<400> 14
cgcgtaatcc gcaaaaactc taagg
                                                                     25
<210> 15
<211> 33
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (14)..(17)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<220>
<221> misc_feature
<222> (26)..(29)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 15
ttccaaaac aacnnnnaac cttggnnnnt ggt
<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (14)..(17)
<223> N denotes a random nucleobase, preferably selected from G, A, C,
      T, or U
<400> 16
                                                                     21
ttccaaaac aacnnnaac c
<210> 17
<211> 10
<212> DNA
```

```
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<400> 17
ntntntggtg
                                                                    10
<210> 18
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<400> 18
                                                                    10
ntntntgggt
<210> 19
<211> 20
<212> DNA
```

<213> Artificial Sequence

```
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (13)..(13)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (15)..(15)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (18)..(18)
<223> n represents inosine (I)
<400> 19
ntntntggtt ttntnttntg
                                                                     20
<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
```

```
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (13)..(13)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (15)..(15)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (18)..(18)
<223> n represents inosine (I)
<400> 20
ntntntgggg ggntnttntg
<210> 21
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (13)..(13)
<223> n represents inosine (I)
```

20

<221> misc_feature <222> (15)..(15)

<220>

```
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (18)..(18)
<223> n represents inosine (I)
<400> 21
ntntntggtg tgntnttntg
                                                                     20
<210> 22
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (8)..(8)
<223> n represents inosine (I)
<400> 22
gtntnttntg
                                                                    10
<210> 23
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (3)..(3)
<223> n represents inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
```

<223> n represents inosine (I)

```
<220>
<221> misc_feature
<222> (8)..(8)
<223> n represents inosine (I)
<400> 23
ttntnttntg
                                                                    10
<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> N denotes a random nucleobase
<220>
<221> misc_feature
<222> (2)..(2)
<223> N denotes a random nucleobase
<220>
<221> misc_feature
<222> (19)..(19)
<223> N denotes a random nucleobase
<220>
<221> misc_feature
<222> (20)..(20)
<223> N denotes a random nucleobase
<400> 24
                                                                    20
nnccacacac cacaacacnn
<210> 25
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(1)
<223> N denotes a random nucleobase
```

```
<220>
<221> misc_feature
<222> (2)..(2)
<223> N denotes a random nucleobase
<400> 25
                                                                    10
nnccacacac
<210> 26
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic construct
<220>
<221> misc_feature
<222> (1)..(2)
<223> N denotes a random nucleobase
<220>
<221> misc_feature
<222> (3)..(3)
<223> N denotes inosine (I)
<220>
<221> misc_feature
<222> (5)..(5)
<223> N denotes inosine (I)
<220>
<221> misc_feature
<222> (8)..(8)
<223> N denotes inosine (I)
<400> 26
```

nnntnttntg

10